

IN THE SPECIFICATION

Request To Correct Published Application

The applicant notes that paragraph [0037], line 1 of the published counterpart of the present application (US 2007/0251960) contains a typographical error. In particular, paragraph [0037], line 1 refers to “Fig. 2,” whereas the original application refers to “Fig. 2.” *See*, Page 9, line 5. The applicant respectfully requests that such error be corrected when the patent is published.

Please amend the paragraph appearing at page 9, lines 13-19 (paragraph [0038] of the published application) as follows:

Lower end 50 of the body 44 can optionally be tapered to facilitate insertion of the probe 10 into the molten sulfur 14. The terminal head 46 is dimensioned to house a plurality of electrical signal conveying members, such as wires, extending internally from the junctions 18, as shown in FIG. 3, and out through a port 54 to be connected to the processor 28 to transmit signals from the junctions 18 to the processor 28. The conductors can be affixed to terminals in mating sockets to facilitate routine maintenance and ~~despair~~ repair of the components comprising the assembly.

Please amend the paragraph appearing at page 17, line 23 – page 18, line 11 (paragraph [0066] of the published application) as follows:

In all alternative ~~embodiment~~ embodiments, the processor 28 can function as a temperature controller 118 shown in FIG. 10 using an analog package and components to process analog temperature sensing signals from the junctions 18, such as thermocouples. As shown in FIG. ~~44~~ 10, the analog temperature sensing signals are input to an oscillator 120 to generate amplified temperature signals. An operator sets a reference temperature using a manual

input device 122. The reference temperature sets the output of a reference oscillator 124 to generate a reference signal, and a multiplier 126 multiplies the temperature signals from the thermocouple junctions 18 with the reference signal. The multiplied signal is applied to a low pass filter 128 to perform a temperature mismatch function when an upper temperature point has a predetermined differential value or a higher value than any of the temperature values below that point, which can indicate sulfur solidification of the lower portion of the sulfur 14 in the container 16.